Sequence Comparison B

```
RESULT  11
AI842094/c
LOCUS       AI842094      450 bp    mRNA            EST       14-JUL-1999
DEFINITION  UI-M-AN1-afg-e-01-0-UI.s1 NIH_BMAP_MBG_N Mus musculus cDNA clone
            UI-M-AN1-afg-e-01-0-UI 3', mRNA sequence.
ACCESSION   AI842094
VERSION     AI842094.1  GI:5476307
KEYWORDS    EST.
SOURCE      house mouse.
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
            Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 450)
  AUTHORS   Bonaldo,M.F., Lennon,G. and Soares,M.B.
  TITLE     Normalization and subtraction: two approaches to facilitate gene
            discovery
  JOURNAL   Genome Res. 6 (9), 791-806 (1996)
  MEDLINE   97044477
COMMENT     On Dec 20, 1995 this sequence version replaced gi:1133363.
            Contact: Chin, H
            National Institute of Mental Health
            6001 Executive Blvd. Room 7N-7190, MSC 9643, Bethesda, MD
            20892-9643, USA
            Tel: 301 443 1706
            Fax: 301 443 9890
            Email: mEST@mail.nih.gov
            The sequence contained an oligo-dT track that was present in the
            oligonucleotide that was used to prime the synthesis of first
            strand cDNA and therefore this may represent a bonafide poly A
            tail. The sequence tag present in the cDNA between the NotI site
            and the oligo-dT track served to verify it as a clone from the
            normalized basal ganglia library cDNA Library Preparation: M.B.
            Soares Lab Clone distribution: NIH BMAP cDNA clones will be made
            available by the means that is soon to be determined. When NIH
            determines the means for distribution of the BMAP cDNA clones, this
            record will be updated accordingly when that means is determined.
            Seq primer: M13 Forward
            POLYA=Yes.
FEATURES             Location/Qualifiers
     source          1. .450
                     /organism="Mus musculus"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UI-M-AN1-afg-e-01-0-UI"
                     /clone_lib="NIH_BMAP_MBG_N"
                     /dev_stage="27-32 days"
                     /lab_host="DH10B (Life Technologies)"
                     /note="Vector: pT7T3D-Pac (Pharmacia) with a modified
                     polylinker; Site_1: Not I; Site_2: Eco RI; The
                     NIH_BMAP_MBG_N library is a normalized library constructed
                     from  mouse basal ganglia. The tag is a string of 5
                     nucleotides present  between the Not I site and the
                     oligo-dT track.  The library was  constructed as described
                     by Bonaldo, Lennon and Soares,  Genome Research 6:
                     791-806, 1996. Tissue provided by Ms. Annie Novakovich,
                     Zivic-Miller Laboratories.
                     TAG_LIB=NIH_BMAP_MBG_N
                     TAG_TISSUE=basal-ganglia
                     TAG_SEQ=TGTAC"
BASE COUNT       105 a     107 c     107 g     131 t
ORIGIN
```

```
Query Match                 8.7%;  Score 263.2;  DB 61;  Length 450;
Best Local Similarity      93.8%;  Pred. No. 4.9e-64;
Matches  285;  Conservative    0;  Mismatches   18;  Indels    1;  Gaps    1;

Qy    156 caaactggtatgctg-cctggcagggtctttggatgttaaagtatctgagaccagcagtc 214
          | ||||||||||||| |||||| ||||||||||||||||||| ||||||||||||||||
Db    450 CCAACTGGTATGCTGTCCTGGCTGGGTCTTTGGATGTTAAAGTGTCTGAGACCAGCAGTC 391

Qy    215 accaggatgctgtgaccatctgtaccctgggaattgggacggcctttggagagtccattc 274
          |||||||||| |||||||||||| || ||||||||||||| |||||||||||||||||||
Db    390 ACCAGGATGCGGTGACCATCTGCACTCTGGGAATTGGGACAGCCTTTGGAGAGTCCATTC 331

Qy    275 tggacaacacaccccgccatgcaaccatcgttaccagggagagcagtgaactgctccgca 334
          |||| ||||| || ||||||||||||||||||||||| ||||| |||||||
Db    330 TGGATAACACCCCTCGCCATGCAACCATCGTTACCAGGGAGAGCAGCGAACTTCTCCGCA 271

Qy    335 tcgagcagaaggacttcaaggcactatgggagaaatatcgacagtatatggcaggacttc 394
          | |||||| |||||||||||||||||||||||||||||| |||||||||||| |||||||
Db    270 TTGAGCAGGAGGACTTCAAGGCACTATGGGAGAAATACCGACAGTATATGGCCGGACTTC 211

Qy    395 tggctcctccttatggtattatggaaacgggctctaacaatgacaggattcctgacaagg 454
          |||||||||| ||||||| ||||||||||||||||||||||||||||||||||||||||||
Db    210 TGGCTCCTCCCTATGGTGTTATGGAAACGGGCTCTAACAATGACAGGATTCCTGACAAGG 151

Qy    455 agaa 458
          ||||
Db    150 AGAA 147
```